



June 30, 2014

[Contact us](#) [Subscribe](#)

- [Green power](#)
 - Supply Chain Sustainability and Green Power Use
 - Agenda available for National Geothermal Summit
 - Overview of WINDPOWER Presentations now online
 - Mitigation Measures for Distributed PV Interconnection
 - SRP Increases Renewable Energy Portfolio
 - Tri-County Water Commissions 8 MW Hydropower Project at Ridgway Dam
 - Coming Soon: Co-op Geothermal Plant
 - Watch this DOE video on geothermal energy
- [Reports and studies](#)
 - Green Power Use Map shows renewables activity near you
 - DOE WINDEXchange creates Regional Resource Centers
 - Evaluate renewable resources with NREL maps
 - NREL Finds Up to 6-cent per Kilowatt-Hour Extra Value with Concentrated Solar Power
 - New Report by Berkeley Lab and NREL on the Costs and Benefits of Renewable Portfolio Standards
 - The nine things you need to know about Obama's new climate rules
 - The IREC Report - June 2014
- [Funding](#)
 - DOE Notice of Intent to Issue Funding Opportunity Announcement; Current Funding Opportunities for Tribes
 - DOE Notice of Intent to Issue Funding Opportunity Announcement for Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands
 - Current Funding Opportunities
 - USDA Announces Support for Renewable Biomass Energy
- [Previous issues](#)

Green Power

Supply Chain Sustainability and Green Power Use

On Tuesday, July 15, from 1:00–2:00 p.m. EDT, the U.S. Environmental Protection Agency's Green Power Partnership will host [Supply Chain Sustainability and Green Power Use](#), a webinar focusing on ways to engage suppliers, vendors and contractors to use green power. [Register today](#) to reserve your place. *Source: EPA Green Power Partnership, 6/24/14*

Agenda available for National Geothermal Summit

The Geothermal Energy Association is holding its fourth annual [National Geothermal Summit](#) on Tuesday, Aug. 5, to Wednesday, Aug. 6, at the Grand Sierra Resort and Casino in Reno, Nevada. The summit will bring together policy leaders, utilities and industry professionals to discuss the opportunities and challenges facing the geothermal industry.

To see a current lineup of the speakers and events, check out the [latest agenda](#). *Source: Geothermal Energy Association, 6/24/14*

Overview of WINDPOWER Presentations now online

WINDEXchange hosted a webinar on June 18 providing a recap of presentations from the recent American Wind Energy Association WINDPOWER Conference in Las Vegas. [Read more](#). *Source: DOE Office of Energy Efficiency and Renewable Energy, 6/20/14*

Mitigation Measures for Distributed PV Interconnection

July 9, 2014

11:30 AM-1:00 PM MDT

Join the National Renewable Energy Laboratory (NREL) for the fifth webinar in the [Distributed Generation Interconnection Collaborative](#) Informational webinar series. This webinar series is focused on current and emergent processes and protocols for the interconnection of distributed PV, with the goal of fostering information and data exchange amongst stakeholders.

The "[Mitigation Measures for Distributed PV Interconnection](#)," webinar-meeting will spot light recent national laboratory research and feature speakers Michael Coddington, Senior Electrical Engineering Researcher and Principal Investigator in distributed grid integration at NREL and Robert Broderick, Principle Member of Technical Staff-Grid Integration at Sandia National Laboratories. Coddington will present findings from a recent survey of 19 U.S. electric utilities including current utility screening practices, technical tools, and mitigation strategies used for interconnection of PV to the electric distribution system. Broderick will present findings from a recent Sandia survey of 100 small generator interconnection studies, including the most likely impacts of PV system interconnections and an evaluation of the associated costs.

[Register](#) for the free webinar now. After registering you will receive a confirmation email containing information about joining the webinar. *Source: National Renewable Energy Laboratory, 6/17/14*

SRP Increases Renewable Energy Portfolio

Agrees with CalEnergy to Purchase Additional Geothermal Energy

Salt River Project has agreed to purchase an additional amount of renewable geothermal energy from a number of plants located in the Imperial Valley of southern California. SRP has amended its agreement with CalEnergy, LLC to add an additional 37 megawatts to a previous contracted agreement of 50 megawatts for a combined capacity of 87 megawatts. One megawatt is about enough energy to power approximately 250 homes in the Phoenix area. [Read more](#). *Source: SRP, 6/17/14*

Tri-County Water Commissions 8 MW Hydropower Project at Ridgway Dam

Tri-County Water Conservancy District officially commissioned its new hydropower project today at Ridgway Dam.

The new 8 megawatt hydroelectric plant will produce approximately 24,000 megawatt-hours of electricity in an average water year, enough energy to supply about 2500 average homes. The emissions reduction benefit from the new plant is equivalent to removing approximately 50 million pounds of carbon dioxide from the atmosphere or about 4400 cars from the road each year. [Read more](#). *Source: HydroWorld, 6/6/14*

Coming Soon: Co-op Geothermal Plant

An electric cooperative in California is nearing completion of a geothermal power plant in a tiny Oregon town, just across the border.

In coming weeks, Surprise Valley Electrification Corp. will conduct generation tests on the 3-megawatt geothermal plant, which will likely come on-line this summer. Located on a member's cattle ranch in Paisley, Ore., the facility will provide power for up to 1,600 single-family homes in Northern California, Nevada and Oregon.

"We're real close," said Lynn Culp, member service manager at Surprise Valley Electrification Corp., in Alturas, Calif. [Read more](#). Source: *Electric Co-op Today*, 6/5/14

Watch this DOE video on geothermal energy

[Energy 101: Geothermal Energy](#) is a video produced by the Department of Energy to provide an introduction into this base-load renewable energy resource. Source: *Department of Energy*, 6/4/14

Visit U.S. DOE EERE [Green Power Network](#) for more information.

Reports, studies and policy

Green Power Use Map shows renewables activity near you

EPA's Green Power Use Map is a visual representation of the Green Power Partnership's more than 1,300 Partners and their respective green power use. The map's color intensity increases proportional to the geographic density of Partners and the volume of a Partner's green power use. Use the zoom control on the left side of the map to see the green power activity near you. Note, a Partner's location and green power use are associated with the address of the organization partnering with EPA, and may not be geographically aligned with where a Partner is actually using its green power. For example, the U.S. Environmental Protection Agency is visually represented in Washington, DC even though the agency has numerous facilities across the U.S. that are using green power. [Read more](#). Source: *EPA Green Power Partnership*, 6/20/14

DOE WINDEXchange creates Regional Resource Centers

On March 11, 2014, the U.S. Department of Energy (DOE) announced six Wind Energy Regional Resource Centers that were selected through a competitive process administered by the National Renewable Energy Laboratory (NREL). The resource centers and their operators are:

- Northeast Wind Resource Center, operated by the Clean Energy Group and Sustainable Energy Advantage
- America's Islanded Grids Resource Center, operated by the Renewable Energy Alaska Project and Island Institute and covering islanded communities across the United States and U.S. Territories
- Northwest Wind Resource and Action Center, operated by Renewable Northwest
- Southeast Regional Resource Center for Wind Energy, operated by the Southeastern Coastal Wind Coalition
- Four Corners Wind Resource Center, operated by the Utah Clean Energy Alliance
- Midwest and Prairie Regional Wind Resource Center, operated by Windustry.

[Read more](#). Source: DOE Office of Energy Efficiency and Renewable Energy, 6/12/14

Evaluate renewable resources with NREL maps

The National Renewable Energy Laboratory provides interactive mapping tools that allow users to evaluate the potential for a variety of renewable generation sources. [Read more](#). Source: National Renewable Energy Laboratory, 6/12/14

NCSL posts presentations from 2014 Spring Webinar Series

The Natural Resources and Infrastructure Committee of the National Council of State Legislatures presented a series of free webinars covering pressing state-federal issues in the areas of agriculture, energy, environment and transportation. Recordings and presentations from the webinars are now [available online](#). Source: National Council of State Legislatures, 6/9/14

NREL Finds Up to 6-cent per Kilowatt-Hour Extra Value with Concentrated Solar Power

The greater the penetration of renewables in California, the greater the value of CSP with thermal storage capacity

Concentrating Solar Power (CSP) projects would add additional value of 5 or 6 cents per kilowatt hour to utility-scale solar energy in California where 33 percent renewables will be mandated in six years, a new report by the Energy Department's National Renewable Energy Laboratory has found.

The report, "Estimating the Value of Utility-Scale Solar Technologies in California Under a 40% Renewable Portfolio Standard," finds that CSP, with its ability to store energy for several hours or more, helps maintain firm capacity in the hours when the sun is below the horizon. Compared to variable generation technologies this translates to an increase in value of 5 cents per kilowatt hour under a 33% renewable standard – the mandate for 2020 – or 6 cents per kilowatt hour under a 40% renewable standard. The added value means that at peak demands, CSP can help lower electricity bills. [Read more](#). Source: National Renewable Energy Laboratory, 6/9/14

New Report by Berkeley Lab and NREL on the Costs and Benefits of Renewable Portfolio Standards

Berkeley Lab and the National Renewable Energy Laboratory have released a new, jointly authored report, "A Survey of State-Level Cost and Benefit Estimates of Renewable Portfolio Standards."

The report draws upon a variety of data sources, including estimates developed by utilities and public utility commissions (PUCs) as well renewable energy certificate pricing, to summarize the net (or "incremental") costs incurred by utilities to comply with RPS requirements. The report also surveys recent studies that have assessed the magnitude of potential broader societal benefits (though for a variety of reasons, those benefits estimates cannot be directly compared to RPS compliance costs). [Read more](#). Source: Lawrence Berkeley Laboratory, 6/4/14

The nine things you need to know about Obama's new climate rules

The rules are finally out. In what some pundits are calling the most important act of President Obama's second term, on Monday morning the EPA released its "Clean Power Plan." These are the proposed rules that will require reductions in greenhouse gas emissions from existing electric power plants. Electric generation accounts for about 40 percent of current U.S. CO2 emissions.

The text of the regulations runs to 645 pages, and it isn't exactly a page-turner. We suspect you've got more fun things to do with your time on this lovely spring day than to read it. So here we answer the nine most important questions about the proposal for you: [Read more](#). Source: *Grist*, 6/2/14

The IREC Report - June 2014

It was a year ago that we wrote in this column about the stifling effect of operating in silos. Our particular focus was (and still is) on the unfortunate split between the renewable energy and energy efficiency options which crops up in all sorts of ways - as separate organizations, government project and policy programs, conferences and consumer marketing campaigns.

Through national efforts, good work has been accomplished by moving away from the "either or" approach. We thought that now would be a good time to take a look at how IREC is doing in closing the divide between renewable energy and energy efficiency. [Read more](#).

Also in this issue:

- [It's Time for YOU to be Recognized](#)
- [CA/HI RTP Santa Monica Community College Students Demo PV Install at SunShot Summit](#)
- [Transmission: More than Meets the Eye](#)
- [Solar Permitting/Inspection Webinar Series Kicks Off](#)
- [SunShot Initiative: A Key Part of President Obama's Climate Action Plan](#)
- [PV America 2014: IREC Exhibits @ Booth #631](#)

Source: *Interstate Renewable Energy Council*, 6/1/14

Find more [publications and webinars](#).

Funding

DOE Notice of Intent to Issue Funding Opportunity Announcement; Current Funding Opportunities for Tribes

The Tribal Energy Program is pleased to share the following information on upcoming and current funding opportunities that may be of interest to tribes. Note that the Tribal Energy Program has added a new feature on its website highlighting hundreds of millions of dollars in funding opportunities available to tribes at a glance. Be sure to check the funding opportunities list frequently for the most complete and up-to-date listing of funding opportunities available to state, local, and tribal governments. [Read more](#). Source: *DOE Tribal Energy Program*, 6/13/14

DOE Notice of Intent to Issue Funding Opportunity Announcement for Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands

The Tribal Energy Program, in coordination with the U.S. Department of Energy's (DOE's) Office of Indian Energy, intends to solicit applications from Indian tribes, tribal energy resource development organizations, and tribal consortia to: (1) install clean energy and energy efficiency retrofit projects for tribal buildings; and (2) deploy clean energy systems on a community scale. For more, see the [Notice of Intent](#) (NOI).

Note that this is an NOI only. EERE may issue an FOA as described in the NOI, may issue an FOA that is significantly different than the FOA described in the NOI, or may not issue a FOA at all. *Source: DOE Tribal Energy Program, 6/13/14*

Current Funding Opportunities

- **[EPA Air, Climate, and Energy Centers: Science Supporting Solutions](#)** – **\$30 Million**
Applications Due: September 4, 2014
Eligible Entities: Public nonprofit institutions and private nonprofit institutions/organizations, state and local governments, federally recognized Indian tribal governments, and U.S. territories or possessions
EPA is seeking proposals to support research on the development of sound science to inform state and local policy makers regarding the development of approaches to enable effective implementation of air pollution control strategies to achieve the greatest public health benefits by reducing exposure to harmful air pollution.
- **[USDA Biomass Crop Assistance Program](#)** – **\$1.7 Million**
Applications Due: July 14, 2014
Eligible Entities: Qualified biomass conversion facilities
The U.S. Department of Agriculture (USDA) will begin accepting applications on June 16 from energy facilities interested in receiving forest or agricultural residues to generate clean energy.
- **[USDA Housing Preservation Grants](#)**
Applications Due: July 28, 2014
Eligible Entities: State and local governments, nonprofit corporations including but not be limited to faith-based and community organizations, federally recognized Indian tribes, and consortia of eligible entities.
USDA is seeking applications for grants to preserve and repair housing for very-low- and low-income families living in rural areas.
- **[USDA Rural Development Repowering Assistance Program](#)**
Applications Due: See the July 16, 2014, Federal Register Notice
Eligible Entities: See the July 16, 2014, Federal Register Notice
The USDA plans to make up to \$12 million in payments for eligible biorefineries through RD's Repowering Assistance Program, which was reauthorized by the 2014 Farm Bill. Biorefineries in existence on or before June 18, 2008 are eligible for payments to replace fossil fuels used to produce heat or power with renewable biomass.
- **[NIFA Sun Grant Program](#)** – **\$2.5 Million**
Applications Due: July 9, 2014
A Sun Grant Center or Subcenter will provide competitive grants within the North-Central, Southeastern, South-Central, Western and Northeastern Sun Grant Center and a Western Insular Pacific regions that are multi-institutional and integrated, multistate research, extension, and education programs on technology development and technology implementation and address bioenergy, biomass, or bioproducts research priorities.
- **[HUD Indian Community Development Block Grants for Indian Tribes and Alaska Native Villages](#)**
Applications Due: July 29, 2014
Eligible Entities: Native American tribal governments (federally recognized), Native American tribal organizations (other than federally recognized tribal governments), others.
The purpose of this program is the development of viable Indian and Alaska Native communities, including the creation of decent housing, suitable living environments, and economic opportunities primarily for persons with low- and moderate- incomes.

- **[Opportunity to Apply for Smart Growth Achievement Award](#)**

Applications Due: September 5, 2014

2015 National Award for Smart Growth Achievement application period is now open. The competition is open to public-sector, private-sector, and nonprofit organizations that have used smart growth principles to improve communities environmentally, socially, and economically. EPA seeks to recognize urban, suburban and rural communities that have used smart growth approaches that involve a broad variety of stakeholders, are innovative, and could be replicated elsewhere.

USDA Announces Support for Renewable Biomass Energy

Biomass Producers and Energy Facilities Soon Can Apply for Qualification in Renewed Biomass Crop Assistance Program

The U.S. Department of Agriculture (USDA) today announced support for agriculture producers and energy facilities working to turn renewable biomass materials into clean energy. The support comes through the Biomass Crop Assistance Program (BCAP), which was reauthorized by the 2014 Farm Bill and will resume this summer. [Read more](#). *Source: USDA Farm Services Agency, 5/20/14*

Find more [funding sources](#).

Western Area Power Administration, 12155 W. Alameda Parkway, Lakewood, Colorado, 80228-8213